```c
#include <stdio.h>
#include <math.h>
#include <stdlib.h>
int main()
{
float e=0.0001;
double sum=0;
double a;
int n = 2;
do
{
a = n/pow(n-1, 2);
sum+=a;
n++;
} while (a>e);
printf ("Sum=%1.4f\n", sum);
printf ("n=%d\n", n);
return 0;
}
```